

IPW



32692
Customer Number

Patent
Case No.: 58807US002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: ROSENFLANZ, ANATOLY Z.
Application No.: 10/666212 Group Art Unit: 1755
Filed: September 18, 2003 Examiner: Elizabeth Bolden
Title: CERAMICS COMPRISING Al_2O_3 , REO, ZrO_2 AND/OR HfO_2 , AND Nb_2O_5
AND/OR Ta_2O_5 AND METHODS OF MAKING THE SAME

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:	
June 9, 2004 Date	 Signed by: Lisa Hengen

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

Respectfully submitted,

June 3, 2004
Date

By:
Gregory D. Allen, Reg. No.: 35,048
Telephone No.: (651) 736-0641

Office of Intellectual Property Counsel
3M Innovative Properties Company
Facsimile No.: 651-736-3833

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	A2	US- 906,339	12/08/1908	Tone	
	A3	US- 960,712	06/07/1910	Saunders	
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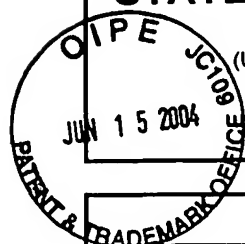
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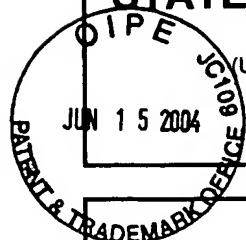
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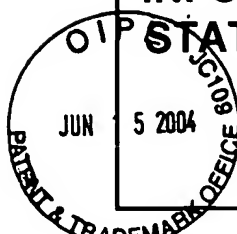
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Rosenflanz, Anatoly Z.

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Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
	B25	JP	2001294480	10/23/2001			X Machine
	B26	Hei	11-189926	07/13/1999			X Machine
	B27	Hei	4-119941	04/21/1992			X
	B28	S	63-156024	06/29/1988			X
	B29	S	63-303821	12/28/1988			X
	B30	WO	94/14722	07/07/1994			
	B31	WO	97/16385	05/09/1997			
	B32	WO	97/25284	07/19/1997			
	B33	WO	00/34201	06/15/2000			X
	B34	WO	01/16047 A2	03/08/2001			
	B35	WO	01/23321 A1	04/05/2001			
	B36	WO	01/23323 A1	04/05/2001			
	B37	WO	01/27046 A1	04/19/2001			
	B38	WO	01/56946 A	08/09/2001			
	B39	WO	01/56947 A	08/09/2001			
	B40	WO	01/56949 A	08/09/2001			
	B41	WO	01/56950 A	08/09/2001			
	B42	WO	02/08146 A	01/31/2002			
	B43	SU	1455569	10/04/1996			X

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	C1	Aguilar, E.A., "Processing and crystallization of rapidly solidified Al ₂ O ₃ -Y ₂ O ₃ fibres", British Ceramic Transactions, 2000, Vol. 99, No. 6, pp. 256-259.
	C2	Brewer, Luke N. et al., "Interface modification for increased fracture toughness in reaction-formed yttrium aluminum garnet/alumina eutectic composites," 1999, Vol. 14, No. 10, pp. 3907-3912.
	C3	Brockway et al. "Rapid Solidification of Ceramics a Technology Assessment", <u>Metals and Ceramics Information Center</u> , MCIC Report, January 1984 MCIC 84-49

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	C4	Chen, Zan-Hwey et al., "Microstructures of laser-treated Al ₂ O ₃ -ZrO ₂ -CeO ₂ composites," <u>Materials Science & Engineering A (Structural Materials: Properties, Microstructure and Processing)</u> , 1995, Vol. A196, No. 1-2, pp. 253-260.
	C5	"China: Oversupply Puts Rare Earths Projects On Hold", Industrial Minerals, August, 1997, 1 page.
	C6	"China's Rare Earth Export Quota Set at 45,000 Tons", Dow Jones Interactive Internet Printout on 6/20/01 for web address "http://ptg.djnr.com/ccroot/asp/publib/story.asp"; Asia Pulse, 1/9/01, 1 page.
	C7	"China's Rare Earth Industry In the Doldrums", Dow Jones Interactive Internet Printout on 6/20/01 for web address "http://ptg.djnr.com/ccroot/asp/publib/story.asp"; Asia Pulse, 1/28/99, 2 pages.
	C8	"China Rare Earth Information", China Rare Earth Information Center, Vol. 6, No. 4, August 2000, 3 pages.
	C9	Coutures et al., "PRODUCTION AND STUDIES OF ALUMINA BASED REFRACTORY GLASS," <u>Mat. Res. Bull.</u> , Vol. 10, No. 6, 1975, pp 539-546.
	C10	Dialog © file 319: Chem Bus NewsBase © 2001 Royal Soc Chemistry. Abstract for "China: Oversupply Puts Rare Earths Projects On Hold", Industrial Minerals n 359, p. 10.
	C11	"ELEMENTS: China to Impose Quotas on Rare Earth Exports", Dow Jones Interactive Internet Printout on 6/20/01 for web address "http://ptg.djnr.com/ccroot/asp/publib/story.asp"; Chemical Business NewsBase, 2/4/99, 1 page.
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	C18	Harris et al., "DURABLE 3—5 µm TRANSMITTING INFRARED WINDOW MATERIALS," <u>Infrared Physics & Technology</u> 39, 1998, pp. 185-201
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	C23	"In Asia", Dow Jones Interactive Internet Printout on 6/20/01 for web address "http://ptg.djnr.com/ccroot/asp/publib/story.asp"; <u>Engineering & Mining Journal</u> , 2/28/00, 4 pages.
	C24	Isobe, T. et al., "Microstructure and Thermal Stability of $\text{Al}_2\text{O}_3/\text{Y}_3\text{Al}_5\text{O}_{12}$ (YAG) Eutectic Composite Prepared by an Arc Discharge Method", <u>J. Ceram. Soc. Jap.</u> , 109, [1], 2001, pp. 66-70, Abstract in English.
	C25	Kingery, W.D., <u>INTRODUCTION TO CERAMICS</u> , Second Edition, Chpt. III subchapter 8.8, <u>Glass-Ceramic Materials</u> , pp. 368-374, (1976).
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	C36	McKittrick, Joanna, et al., "Non-stoichiometry and defect structures in rapidly solidified MgO - Al_2O_3 - ZrO_2 ternary eutectics," <u>Materials Science and Engineering A231</u> (1997) 90-97.
	C37	McMillan, P.W., <u>Glass-Ceramics</u> , Academic Press, Inc., 2 nd Edition (1979)

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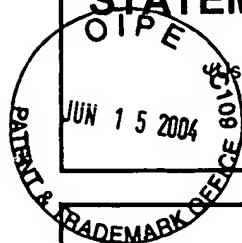
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	C54	Waku, Yoshiharu, "A New Ceramic Eutectic Composite with High Strength at 1873 K", <u>Advanced Materials</u> , Vol. 10, No. 8, 1998, pp. 615-617.
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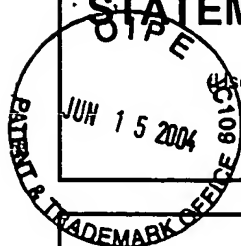
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	C70	U.S. Patent Application entitled, "Method of Making Ceramic Articles", filed August 2, 2002, Rosenflanz having U.S. Serial No. 10/211,481 (Attorney Docket No. 56938US004).
	C71	U.S. Patent Application entitled "Methods of Making Ceramic Particles," filed February 5, 2003, Rosenflanz, having a U.S. Serial No. 10/358772 (Attorney Docket No. 58257US002)
	C72	U.S. Patent Application entitled "Methods of Making Ceramics", filed February 5, 2003, Anderson et al., having a U.S. Serial No. 10/358765 (Attorney Docket No. 58258US002)
	C73	U.S. Patent Application entitled "Ceramics and Methods of Making the Same", filed February 5, 2003, Celikkaya et al., having a U.S. Serial No. 10/358910 (Attorney Docket No. 58325US002)
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	C77	U.S. Application entitled "Use of Glasses Containing Rare Earth Oxide, Alumina, and Zirconia And Dopant In Optical Waveguides", filed April 28, 2003, having U.S. Serial No. 10/425,039 (Attorney Docket No. 58435US002)
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